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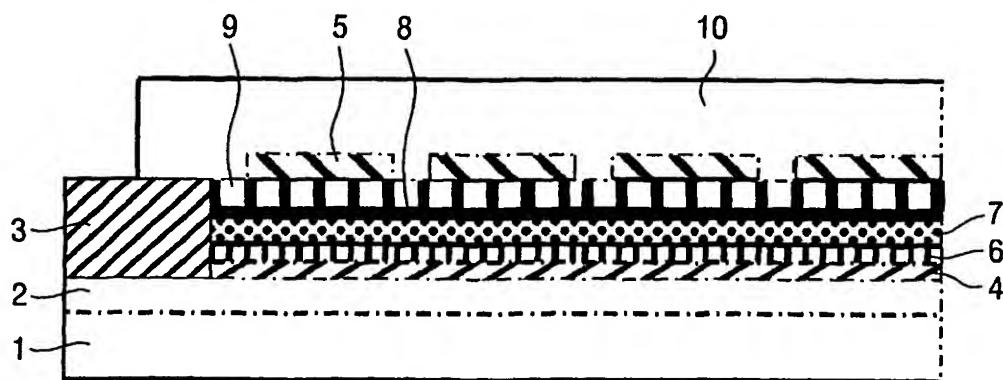
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(54) Title: ORGANIC ELECTROLUMINESCENT COMPONENT WITH TRIPLET EMITTER COMPLEX



(57) **Abstract:** An organic electroluminescent component having a layer composite, which comprises a) a substrate layer b) a first transparent electrode layer, c) a mixing layer having c.1) a matrix of a conductive organic material with one or more singlet states and one or more triplet states, selected from the group: p-conductive and n-conductive materials, c.2) in this matrix, a light-emitting material which contains a metallo-organic complex compound with an emissive triplet state, and d) a second electrode, the lowest-energy triplet state of the conductive organic material being higher than the emissive triplet state of the metallo-organic complex compound by an energy difference E_1 .

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L51/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	page 6, line 20 - page 7, line 6 claims 1,2	2
X	V. ADAMOVICH ET AL: "High efficiency single dopant white electrophosphorescent light emitting diodes" NEW JOURNAL OF CHEMISTRY, vol. 26, 12 August 2002 (2002-08-12), pages 1171-1178, XP008037151 page 1175, column 1, line 23 - line 56	1,2
A	DE 44 28 450 A (PHILIPS PATENTVERWALTUNG) 15 February 1996 (1996-02-15) cited in the application the whole document	1,6
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer De Laere, A

INTERNATIONAL SEARCH REPORT

International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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A	WO 02/074015 A (FORREST STEPHEN R ; THOMPSON MARK E (US); UNIV PRINCETON (US); UNIV SO) 19 September 2002 (2002-09-19) abstract	1
P, X	HOLMES R J ET AL: "Blue organic electrophosphorescence using exothermic host-guest energy transfer" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 82, no. 15, 14 April 2003 (2003-04-14), pages 2422-2424, XP012033750 ISSN: 0003-6951 the whole document	1,2

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